

## CATALYST FOR TRIMERIZING ETHYLENE AND METHOD FOR TRIMERIZING ETHYLENE BY USING THE SAME

**Patent number:** JP2002200429  
**Publication date:** 2002-07-16  
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**Classification:**  
- **international:** B01J31/22; B01J31/26; C07C2/32; C07C11/107  
- **european:**  
**Application number:** JP20010285187 20010919  
**Priority number(s):**

### Abstract of JP2002200429

**PROBLEM TO BE SOLVED:** To manufacture 1-hexene from ethylene in high yield with high selectivity.

**SOLUTION:** This catalyst is obtained by bringing a compound having two or more hydroxyl groups into contact with an alkyl group-containing compound to obtain a reaction product and bringing the reaction product into contact with the chromium complex shown by  $ACrB_n$  (wherein n is an integer of 1-3: A is a neutral multidentate ligand having a tripodal structure; Cr is chromium atom; B is one or more selected from the group consisting of hydrogen atom, halogen atom and a straight or branched chain alkyl group).

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